AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-15. (Cancelled).

16. (Currently Amended) A bypass conduit for use in a wall of a heart, comprising:

a hollow conduit having an interior and an exterior and adapted to be positioned in the heart wall between [[the]] <u>a</u> coronary <u>vessel</u> artery and a chamber in the heart, wherein the conduit has an attachment mechanism on at least one end adapted to anchor the conduit in place.

- 17. (Previously Presented) The device of claim 16, wherein the conduit is expanded using an inflatable balloon.
- 18. (Previously Presented) The device of claim 16, wherein the chamber is the left ventricle.
- 19. (Previously Presented) The device of claim 16, wherein the attachment mechanism is selected from the group consisting of hooks, barbs, flanges, collars, suture holes, and expandable legs.

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20. (Previously Presented) The device of claim 16, wherein the attachment mechanism is adapted to anchor the conduit in the heart wall.

- 21. (Currently Amended) The device of claim 16, wherein the attachment mechanism is adapted to anchor the conduit in the coronary <u>vessel</u> artery.
- 22. (Currently Amended) A bypass conduit for use in a wall of a heart, comprising:

a hollow conduit having a plurality of circular rings, an interior, and an exterior and adapted to be positioned in the heart wall between [[the]] a coronary vessel artery and a chamber in the heart, wherein the conduit has an attachment mechanism on at least one end adapted to anchor the conduit in place.

23. (Previously Presented) A conduit for placing a coronary vessel of a patient's heart in communication with a heart chamber, the conduit comprising:

a tubular element including first and second portions having different crosssectional sizes, the tubular element having a bore defining a blood flow path;

wherein the cross-section of the first portion of the tubular element is larger than the cross-section of the second portion of the tubular element such that the tubular element is generally funnel-shaped; and

wherein the first and second portions of the tubular element are generally aligned and the bore defines a generally straight blood flow path.

24. (Previously Presented) A conduit for placing a coronary vessel of a patient's heart in communication with a heart chamber, the conduit comprising:

a tubular element configured to positioned in the wall of a patient's heart, the tubular element including first and second ends and a bore defining a blood flow path; and

a vessel supporting mechanism carried by the tubular element, the vessel supporting mechanism being positioned on the conduit so as to contact and support the wall of a coronary vessel when the conduit is positioned in the heart wall.

25. (Previously Presented) The conduit of claim 24, wherein the tubular element is a rigid, solid walled structure.

26-30. (Cancelled).

- 31. (New) The device of claim 16, wherein the coronary vessel is a coronary artery.
- 32. (New) The device of claim 16, wherein the conduit is sufficiently rigid such that a pathway between the coronary vessel and the chamber defined by the conduit remains open during both systole and diastole.
- 33. (New) The device of claim 16, wherein the conduit includes a plurality of rings.

- 34. (New) The device of claim 16, wherein the conduit includes a membrane.
- 35. (New) The device of claim 34, wherein the conduit includes a plurality of rings and the membrane surrounds the plurality of rings.
- 36. (New) The device of claim 16, wherein the conduit defines a lumen and the conduit is configured to prevent the lumen from collapsing by reason of contraction of the wall surrounding the conduit.
- 37. (New) The device of claim 16, wherein the conduit defines a channel that includes an angled or curved portion.
- 38. (New) The device of claim 16, wherein the conduit is configured to expand and contract.
- 39. (New) The device of claim 16, wherein the attachment mechanism is configured to contact an inner surface of the chamber.
- 40. (New) The bypass conduit of claim 22, wherein the coronary vessel is a coronary artery.

- 41. (New) The bypass conduit of claim 22, wherein the chamber is a left ventricle.
- 42. (New) The bypass conduit of claim 22, wherein the conduit is sufficiently rigid such that a pathway between the coronary vessel and the chamber defined by the conduit remains open during both systole and diastole.
- 43. (New) The bypass conduit of claim 22, wherein the conduit includes a membrane.
- 44. (New) The bypass conduit of claim 43, wherein the membrane surrounds the plurality of circular rings.
- 45. (New) The bypass conduit of claim 22, wherein the conduit defines a lumen and the conduit is configured to prevent the lumen from collapsing by reason of contraction of the wall surrounding the conduit.
- 46. (New) The bypass conduit of claim 22, wherein the conduit defines a channel that includes an angled or curved portion.
- 47. (New) The bypass conduit of claim 22, wherein the conduit is configured to expand and contract.

- 48. (New) The bypass conduit of claim 22, wherein the attachment mechanism is configured to contact an inner surface of the chamber.
- 49. (New) The bypass conduit of claim 22, wherein the attachment mechanism is selected from the group consisting of hooks, barbs, flanges, collars, suture holes, and expandable legs.
- 50. (New) The bypass conduit of claim 22, wherein the attachment mechanism is adapted to anchor the conduit in the heart wall.
- 51. (New) The conduit of claim 24, wherein the coronary vessel is a coronary artery.
- 52. (New) The conduit of claim 24, wherein the conduit is sufficiently rigid such that the blood flow path remains open during both systole and diastole.
- 53. (New) The conduit of claim 24, wherein the conduit includes a plurality of rings.
 - 54. (New) The conduit of claim 24, wherein the conduit includes a membrane.
- 55. (New) The conduit of claim 54, wherein the conduit includes a plurality of rings and the membrane surrounds the plurality of rings.

- 56. (New) The conduit of claim 24, wherein the conduit is configured to prevent the blood flow path from collapsing by reason of contraction of the wall surrounding the conduit.
- 57. (New) The conduit of claim 24, wherein the conduit is configured to expand and contract.
- 58. (New) The conduit of claim 24, further comprising an attachment mechanism on at least one end adapted to anchor the conduit in place.
- 59. (New) The conduit of claim 58, wherein the attachment mechanism is configured to contact an inner surface of the chamber.
- 60. (New) The conduit of claim 58, wherein the attachment mechanism is selected from the group consisting of hooks, barbs, flanges, collars, suture holes, and expandable legs.
- 61. (New) The conduit of claim 58, wherein the attachment mechanism is adapted to anchor the conduit in the heart wall.
- 62. (New) The conduit of claim 24, wherein the vessel supporting mechanism is substantially axially aligned with the coronary vessel.

- 63. (New) The conduit of claim 24, wherein the vessel supporting mechanism extends substantially perpendicularly to the tubular element.
- 64. (New) The conduit of claim 24, wherein the vessel supporting mechanism is configured to be in blood flow communication with the coronary vessel.